NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

NAVTRANS

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

SNT

www.snt.navsup.navy.mil

Ready. Resourceful. Responsive!

MATT MULLINS
CDR, USN
10 JUN 2003

OUTLINE

- Background/Overview
- Implementation
- System Access
- Demonstrations
- Aviation Rollout
- AIT
- Recent Accomplishments
- SNT web page examples
- Summary

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How SNT Got Started

UNITED STATES NAVY SERIAL NUMBER TRACKING SNT

Aviation Maintenance-Supply Readiness (AMSR) Review Tasking - 1998

Background/Overview

⇩ Lower Maintenance & Supply Cost

⇧ Increase Readiness

Result – Serial Number Tracking Initiative provi

- Retrograde Tracking & TAV

By T/M/S, Organization and time period

- Cannibalization data
- BCM statistics
- Top Cost Driver figures
- Reliability information

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SNT Consists of Two Pillars

UNITED STATES NAVY SERIAL NUMBER TRACKING
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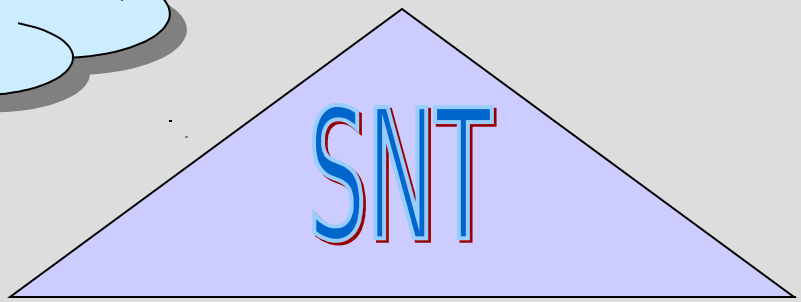
Implementation

SNT requires two components



FIRST

Live access to databases via the SNT Web-enabled portal.

Data Base Access

- WMRIL/A-ORS
- eRMS/WMPS
- UICP
- WEB-CAV
- CAV-ORM
- CAV-Navy
- FACTS
- OOMA/OIMA
- R-Supply
- IBS

AIT

- CMB
- 2D Data matrix
- 2D PDF417
- ISO15418/15434
- MILSTD129
- MILSTD130
- MSL
- IRRD

SECOND

Automatic Identification Technology (AIT) is used by the SNT to maintain data accurac

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Aviation Asset/Information Flow

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

Information Systems

System Access

Carcass Screening
Transshipment

Carcass Shipment

ATAC
Hub / Node
Web-MRIL / A-ORS

ATAC DB

UICP

NRFI Inventory

DDD/ FISC

Navy/CAV

ASD

FACTS
WMPS
eRMS

OOMA
OIM
A

I-Level

Retail Sector

NALCOMIS (O)
Top Tier
LMDSS (I)
DMDS (D)

OOMA

'O' Level

NALCOMIS
Foundation Tier

Web-enabled

SNT System

Depot Repair

Organic CAV-ORM

Inter Service

Commercial CAV

NSWC Crane ILSMIS

GTN

LCAV

GTN

Navy\CAV

DDD/ FISC

UICP

RFI Wholesale Inventory

Wholesale Sector

Connected w/SN ---------- No SN Not Asset Flow

DEMONSTRATIONS

Demonstrations

- H-60/HSL-40
- SCADC
- SQQ-32 SONAR
- HOSS Camera (AN/SXY-1)
- CAMS II A5 MODULE on SUBMARIN

Supply - Aviation 5 Year Plan

Aviation Rollout

T/M/S	Total Number Aircraft	Components per Aircraft	Total Number of Components (W/ 25% spares)	Total CMB Cost	Contractor Installation Cost	Total Engineering Document Cost	Total AIT Cost
MH-53E	46	170	9,775	$152,783.25	$272,412.00	$136,000.00	$605,932.55
CH-53E	164	170	34,850	$544,705.50	$817,236.00	$136,000.00	$1,597,820.10
CH-53D	44	104	5,720	$89,403.60	$272,412.00	$83,200.00	$486,995.50
MH-60	342	300	128,250	$2,004,547.50	$3,268,944.00	$240,000.00	$5,665,423.90
[illegible]	111	400	55,500	$867,465.00	$708,271.20	$320,000.00	$1,712,510.98
EA-6A/B	26	469	9,380	$146,609.40	$163,447.20	$375,200.00	[illegible]
[illegible]	194	196	47,530	$742,893.90	$898,959.60	$156,800.00	$1,757,972.50
UH-1N/UH-1N	126	132	20,790	$324,947.70	$599,306.40	$105,600.00	[illegible]
[illegible]46E	280	70	20,125	$314,553.75	$926,200.80	$56,000.00	$1,383,946.57
CH/HH-46	79	70	6,913	$108,042.38	$435,859.20	$56,000.00	$609,546.56
EA-6B	124	144	22,320	$348,861.60	$1,035,165.60	$115,200.00	$1,659,147.94
MV/CV/HV-22	458	203	116,218	$1,816,479.53	$3,922,732.80	$162,400.00	$6,254,890.39
AV-8	172	921	198,015	$3,094,974.45	$871,718.40	$736,800.00	$4,899,087.53
F-14A/B/D	193	200	48,250	$754,147.50	$871,718.40	$160,000.00	$1,940,564.86
P-3's	264	75	24,750	$386,842.50	$1,797,919.20	$60,000.00	$2,452,987.68
Cargo	295	175	64,531	$1,008,623.44	$2,724,120.00	$140,000.00	$4,297,527.69
Trainers	515	129	83,044	$1,297,973.81	$817,236.00	$103,200.00	$2,389,150.46
E-2C	75	145	13,594	$212,470.31	$1,525,507.20	$116,000.00	$1,963,874.10
C-2A	38	145	6,888	$107,651.63	$217,929.60	$116,000.00	$467,500.85
F-18ABCD	745	200	186,250	$2,911,087.50	$4,794,451.20	$160,000.00	$8,327,383.34
F-18EF	548	240	164,400	$2,569,572.00	$2,179,296.00	$192,000.00	$5,205,021.20
Misc Support							$2,805,000.00
Total			1,267,091	$19,804,636.24	$29,120,842.80	$3,726,400.00	$58,211,345.83

Total # of Items marked 1,267,091

SNT Implementation Cost = $58,211,346

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CMB

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AIT

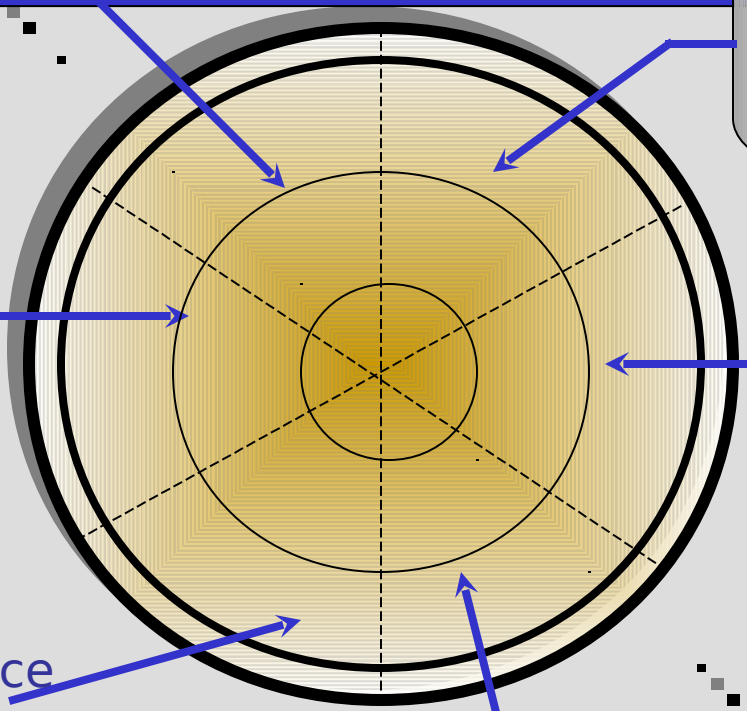
Contact Memory Button (CMB)

Scheduled Removal Component Card

Nameplate Data

Warranty Data

Maintenance History**



CMB Stats:
- 2k,8k,32k
- ~$7-$13 each
- Read/Write
- Dual CMB/BC Reader $1200

**Use TBD within aviation maintenance

Available for Vendor Use

Available for Future Navy Use

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Retrograde from Customer

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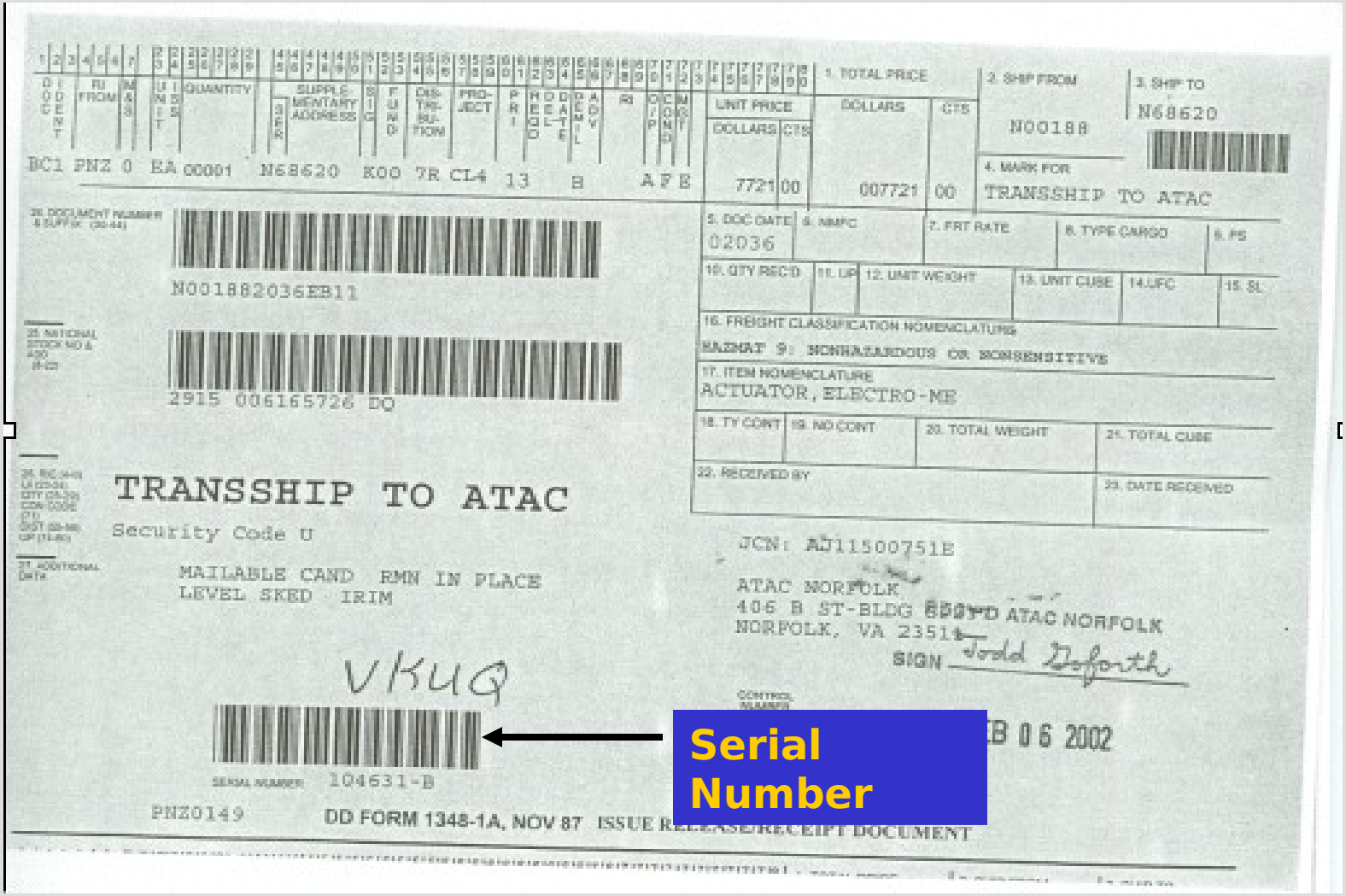
AIT



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Retrograde to DD

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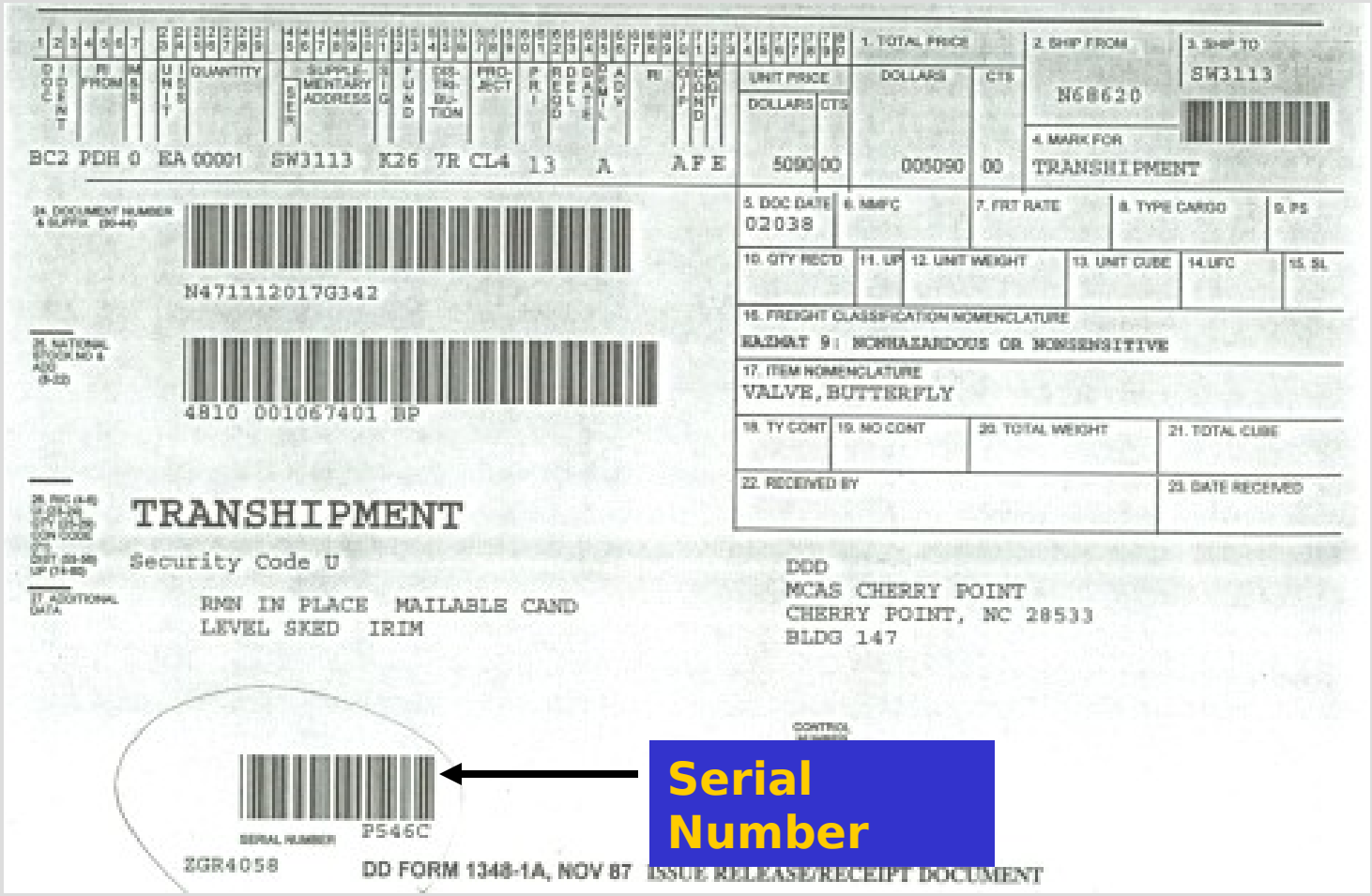
AIT



Serial Number

CONTRACTS

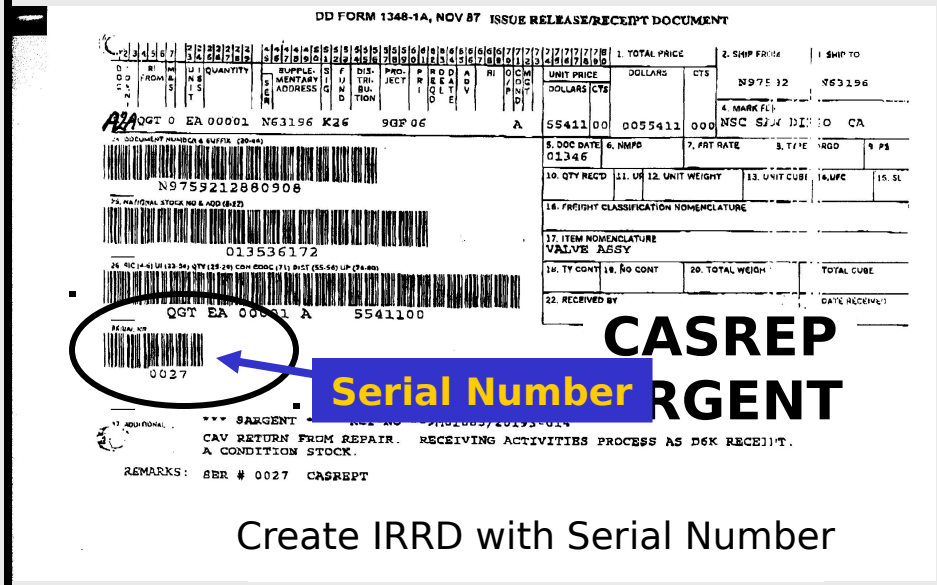
AIT

Package marking

MIL-STD 129M
PDF417 2D
ANSI MH 10

Cage: 02059
PN:102770-351
Ser: 6694
NSN 7025011415888
CONT: N00104-98-T-0023
Name: Magnetic Tape
U/I: EA
QTY: 1

Invoices



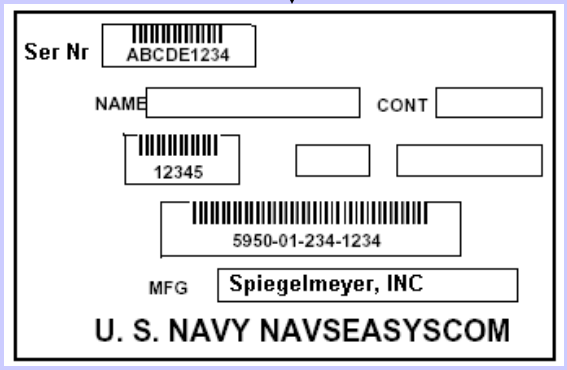
Create IRRD with Serial Number

Military Standards Product Marking

AIT

Mil-Std 130 Identification Marking of U. S. Property Product Marking

Today's Standard



Tomorrow's Standard

CMB

2D

Cage V2345
PN 33489-12
NSN 5835-01-141-5888
Ser: 45367

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Military Standards Package Marking

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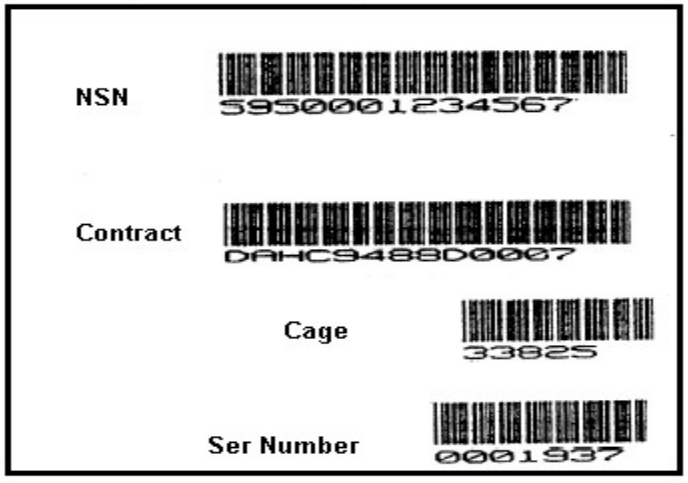
AIT

Mil Std 129 Package Marking

Today's Standard



Tomorrow's Standard

Military Shipping Labels

NAVAL SUPPLY SYSTEMS COMMAND

UNITED STATES NAVY SERIAL NUMBER TRACKING SNT

AIT

Today

MILITARY SHIPMENT LABEL DD FORM 1387, NOV 86

1. TRANSPORTATION CONTROL NUMBER
S150A12420110XXX

2. POSTAGE DATA

3. FROM E12345 NONEXISTANT CO
1234 NOWHERE STREET
FORT WAYNE, IN 46809
OFFICIAL BUSINESS PENALTY FOR PRIVATE USE $300

4. TYPE SERVICE
5

5. SHIP TO / POE
FB4418
CHS TRANSPORTATION OFFICER
CHARLESTON AIR FORCE BASE
CHARLESTON, SC 29484

6. TRANSP. PRIORITY
2

7. POD RMS RAMSTEIN AB GERMANY

8. PROJECT
000

9. ULTIMATE CONSIGNEE OR MARK FOR
S1501A
1242 M10XXX
BASE SUPPLY
COMMANDING OFFICER
SAUDI ARABIA

10. WT THIS PC
85

11. RDD
000

12. CU THIS PC
7.9

13. CHARGES

14. DATE SHIPPED
07 MAY 92

15. FMS CASE

16. PIECE NO.
1

17. TOTAL PIECES
1

FORM APPROVED OMB NO. 0704-0188

Tomorrow

TCN SW81238350D339XEL

From SW8123
In-the-clear Address
3 Lines Max, 35 Characters Per Line
XXXXXXXXX1XXXXXXXXX2XXXXXXXXX3XXXXX

TAC / Type Service / Postage
F8WR
Frt LTL

Piece 11 of 23

Weight (lb.) 7760

Date Shipped 1090

RDD 999

Cube (ft.) 385

Project 9BU

Priority 1

POE/CCP/Ship To DOV
In-the-clear Address
5 Lines Max, 35 Characters Per Line
Abcdefg Higjklmno Pqrstuv Wxyz
Abcdefg Higjklmno Pqrstuv Wxyz
XXXXXXXXX1XXXXXXXXX2XXXXXXXXX3XXXXX

POD RMS

MSL, TCMD, & Supply Data

FMS Case CKM

DLA Data
ABD77ZR
Dest: 30D135
CD:
Spur:

Consignee W55XGJ

Mark For
In-the-clear Consignee or Mark For Address
5 Lines Max, 35 Characters Per Line
Abcdefg Higjklmno Pqrstuv Wxyz
Abcdefg Higjklmno Pqrstuv Wxyz
XXXXXXXXX1XXXXXXXXX2XXXXXXXXX3XXXXX

Wholesale System Reporting S/N

Recent Accomplishmen

Effective JAN 03
DSS Reports SN of Selected Items For Receipts/ Issues

Web-enabled

SNT System

SNT WEB Site Accesses Navy Repository

DDNV 12/8/02– 3/3/03
DDDC/DDCN 1/12/03 – 3/3/03

Receipts	W/ SN	W/O SN
DDNV	6	22
DDDC	193	112
DDCN	493	201
Issues		
DDNV	15	9
DDDC	95	164
DDCN	470	314

Navy Repository

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SNT Accessing Shipment Process Goal

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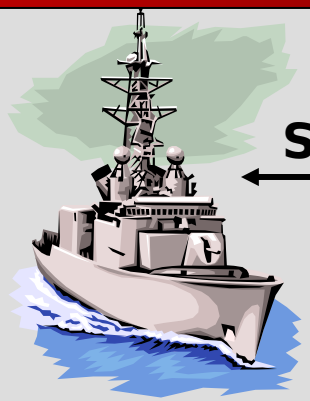


TAV OF SN ASSET

Web-enabled

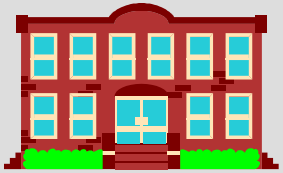
SNT System

SNT system will match DOC # to TCN, NSN & SN and display to user.

DOC # / TCN

REQN SUBMITTED TO IM

DOC # / NSN



AS1 to Ship

ARO to IM

One Touch/ GTN

DOD-CAV DLSS DATA Repository

DOC # / NSN / SN

PROVIDED WHEN COMPONENT IS SHIPPED

REQN PASSED TO DDD

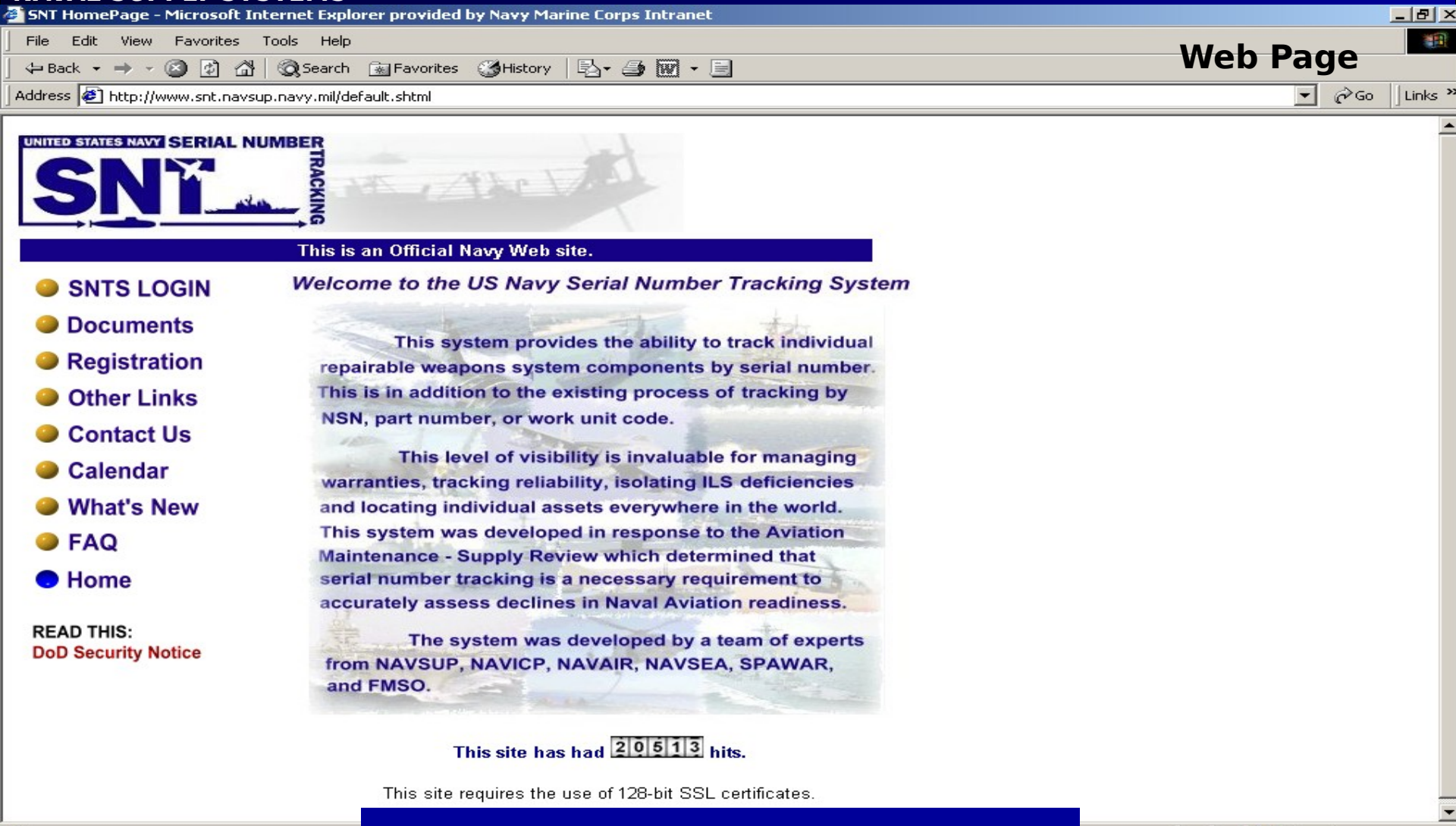
DOC # / NSN

SNT Homepage

NAVSUP NAVAL SUPPLY SYSTEMS

UNITED STATES NAVY SERIAL NUMBER TRACKING SNT

Web Page


SNT HomePage - Microsoft Internet Explorer provided by Navy Marine Corps Intranet
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://www.snt.navsup.navy.mil/default.shtml
Go Links
UNITED STATES NAVY SERIAL NUMBER TRACKING SNT
This is an Official Navy Web site.
SNTS LOGIN
Documents
Registration
Other Links
Contact Us
Calendar
What's New
FAQ
Home
READ THIS:
DoD Security Notice
Welcome to the US Navy Serial Number Tracking System
This system provides the ability to track individual repairable weapons system components by serial number. This is in addition to the existing process of tracking by NSN, part number, or work unit code.
This level of visibility is invaluable for managing warranties, tracking reliability, isolating ILS deficiencies and locating individual assets everywhere in the world. This system was developed in response to the Aviation Maintenance - Supply Review which determined that serial number tracking is a necessary requirement to accurately assess declines in Naval Aviation readiness.
The system was developed by a team of experts from NAVSUP, NAVICP, NAVAIR, NAVSEA, SPAWAR, and FMSO.
This site has had 20513 hits.
This site requires the use of 128-bit SSL certificates.
Internet
Start
Inbox - Mic
9:38

www.snt.navsup.navy.mil

NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

www.snt.navsup.navy.mil New Homepage

UNITED STATES NAVY SERIAL NUMBER TRACKING SNT

SNTS \ Asset Visibility \ Retrograde - Microsoft Internet Explorer provided by Navy Marine Corps Intranet

Web Page

File Edit View Favorites Tools Help

Back Search Favorites History

Address https://www.snt.navsup.navy.mil/queries/AssetVisibility/Retrograde/default.shtml Go Links

UNITED STATES NAVY SERIAL NUMBER TRACKING SNT

Retrograde

Queries | Decision Support | Administration | User Options | Help | Feedback | Log Out

Asset Visibility | Aviation Maintenance | In Transit | Inventory | Shipboard Engineering | Warranty

Search Criteria

Serial Number:

Document Number:

UIC: r03363

NIIN:

Lead TCN:

Search Reset

<< Back to Asset Visibility

Submit a Batch Query

Results

Retrograde Results > Document Number Tracking Detail

Export to Microsoft® Excel®

Printer Friendly Version

	Origin	xShip / ATAC Hub or Node	xShip / ATAC Hub or Node	DOP/DSP
Document Number	R033633072G660	R033633072G660	R033633072G660	R033633072G660
NIIN	008684353	008684353	008684353	008684353
Serial Number	BMAC-B4-0068			
Quantity	1	1	1	1
Condition Code	F	F	F	F
Activity	R03363 USS KITTY HAWK CV 63	N4533A	N46433 ATAC HUB North Island, CA	SW3122
Date Received	N/A	25 Mar 2003	16 Apr 2003	25 Apr 2003
Ship To	SW3122	N46433 ATAC HUB North Island, CA	SW3122	N/A
Date Shipped	25 Mar 2003		16 Apr 2003	N/A
LTCN	N/A	R033633072G660RXX	N443293091GK42AXX	N/A
Transportation Mode	N/A	F - Air, Air Mobility Command	T - Air, Air Freight Forwarder	N/A
RCDN	N/A	N/A	N/A	
Signature	N/A			HARDEMAN
(Data Source)	WMPS	ATAC	ATAC	ATAC/CAV

Done Internet

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SIM / SNT Parallel Goals

UNITED STATES NAVY SERIAL NUMBER TRACKING SNT

UNITED STATES NAVY SERIAL NUMBER TRACKING SNT

Summary

DRID 54

Optimize Logistics Processes to Minimize Customer Wait Time (CWT) using Variance Based Metrics	Customer Confidence In a Simplified Priority System With Time Definite Delivery	Total Asset Visibility Through Use of AIT, Shared Data Environment and Other Applications	Real-Time, Actionable, Web-Based Logistics Information Systems
FY02	FY02	FY04	FY04

Complements

- SUPER REG
- SIM Directive
- ADC 44 & 89
- DoD Interim UIC Policy – 6 SEP 02

Navy Enterprise Team Ships

Supply Maintenance Aviation Reengineering Team SMART ERP NAVSUP ★ NAVAIR

Summary

- SNT Project well underway
- Prototypes completed - proven concept
- Rollout plan
- Integrating AIT
- SNTS Web Application on line – accessing live data
- Complying with DOD directives
- SNT is a part of (and complements) TAV

Points of Contact

http://www.snt.navsup.navy.mi

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